

Table 1. 1998 Summary Statistics

Item	Value	U.S. Rank	Item	Value	U.S. Rank
NERC Region(s)		SERC	Utility		
Net Exporter or Importer		Importer	Capability (MW)	21,020	12
Primary Generating Fuel		Coal	Generation (MWh)	113,112,235	9
Population (as of 7/98)	7,545,828	11	Average Age of Plants (years)		
Average Electricity Price (cents/kWh) ^a	6.45	31	Coal-fired	30	
Industrial	4.63	34	Petroleum-fired	28	
Commercial	6.35	22	Gas-fired	7	
Residential	8.01	31	Nuclear	17	
Industry			Hydroelectric	49	
Capability (MW)	22,845	11	Nonutility		
Generation (MWh)	121,371,988	8	Capability (MW)	1,825	13
Capability/person (KWe/person)	3.03	27	Share of Capability (Percent) ...	8	22
Generation/person (MWh/person)	16.08	20	Generation (MWh)	8,259,753	11
Emissions (Thousand Short Tons)			Share of Generation (Percent) ..	6.8	26
Sulfur Dioxide	448	11			
Nitrogen Oxide	215	13			
Carbon Dioxide	73,681	12			
Sulfur Dioxide/sq. mile (Tons)	9.2	15			
Nitrogen Oxides/sq. mile (Tons)	4.42	18			
Carbon Dioxide/sq. mile (Tons)	1,512.40	16			

Table 2. Five Largest Plants, 1998

Plant	Energy Source ^b	Operating Company	Net Capability (MW)	Age (Years)
1. Roxboro	Coal	Carolina Power & Light Co	2,477	32
2. Belews Creek	Coal	Duke Power Co	2,240	24
3. McGuire	Nuclear	Duke Power Co	2,200	17
4. Marshall	Coal	Duke Power Co	2,090	33
5. Brunswick	Nuclear	Carolina Power & Light Co	1,631	23

Table 3. Top Five Utilities Ranked by Retail Sales Revenue Within the State, 1998
(Million Dollars)

Utility	All Sectors	Residential	Commercial	Industrial	Other
A. Duke Energy Corporation	2,963	1,214	952	776	20
B. Carolina Power & Light Company ...	2,117	888	582	574	74
C. Virginia Electric & Power Co	204	96	42	58	9
D. Fayetteville Public Works Comm	127	61	44	18	5
E. EnergyUnited Elec Member Corp	115	93	13	9	1
Total	5,527	2,352	1,634	1,434	108
Percentage of Utility Sales	75	68	76	89	76

Table 4. Electric Power Industry Generating Capability by Plant Type, 1988, 1993, and 1998
(Megawatts Electric)

Plant Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility	20,026	20,182	21,020	0.5	94.4	94.5	92.0
Coal-fired	12,430	12,503	12,440	*	58.6	58.5	54.5
Petroleum-fired	478	304	358	-3.2	2.3	1.4	1.6
Gas-fired	78	68	96	2.3	0.4	0.3	0.4
Dual-fired	476	718	1,851	16.3	2.2	3.4	8.1
Nuclear	4,698	4,639	4,691	*	22.2	21.7	20.5
Hydroelectric	1,867	1,950	1,584	-1.8	8.8	9.1	6.9
Total Nonutility	1,179	1,180	1,825	5.0	5.6	5.5	8.0
Industry	21,205	21,361	22,845	0.8	100.0	100.0	100.0

Figure 1. Utility Generating Capability by Plant Type, 1998

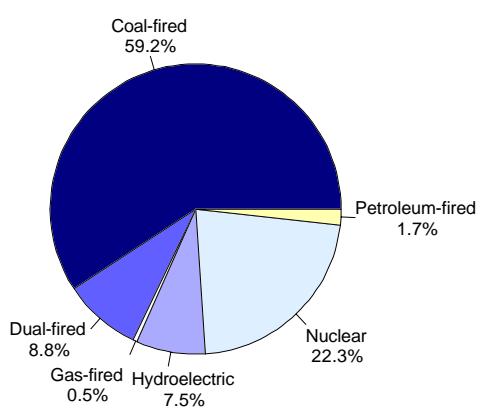


Figure 2. Utility Generation by Primary Energy Source, 1998

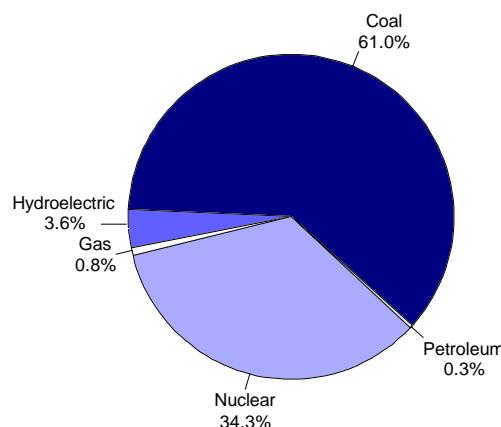


Table 5. Electric Power Industry Generation of Electricity by Primary Energy Source, 1988, 1993, and 1998
(Megawatthours)

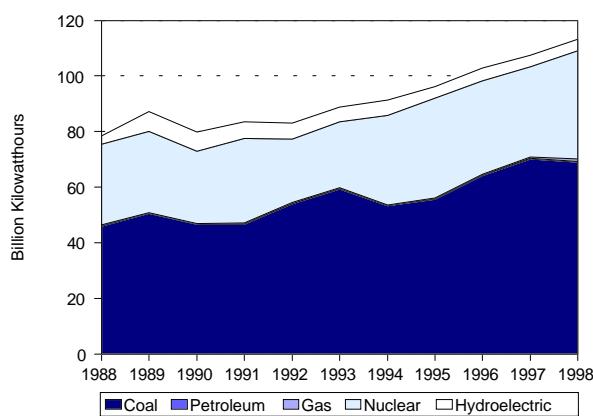
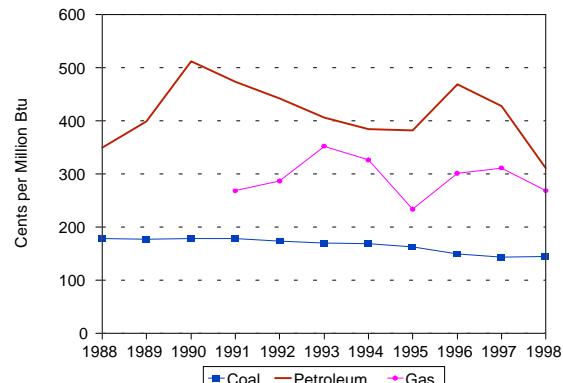
Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility	78,405,793	88,753,614	113,112,235	4.2	92.3	93.1	93.2
Coal	46,089,553	59,383,147	69,000,633	4.6	54.2	62.3	56.9
Petroleum	224,580	165,175	285,902	2.7	0.3	0.2	0.2
Gas	55,113	239,530	936,314	37.0	0.1	0.3	0.8
Nuclear	29,146,209	23,758,927	38,778,211	3.2	34.3	24.9	31.9
Hydroelectric	2,890,339	5,206,835	4,111,175	4.0	3.4	5.5	3.4
Total Nonutility	6,575,997	6,560,602	8,259,753	2.6	7.7	6.9	6.8
Industry	84,981,791	95,314,216	121,371,988	4.0	100.0	100.0	100.0

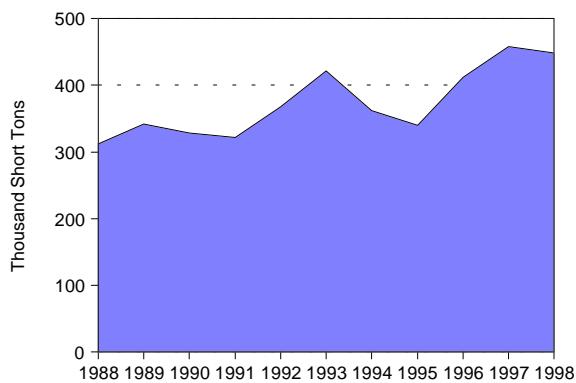
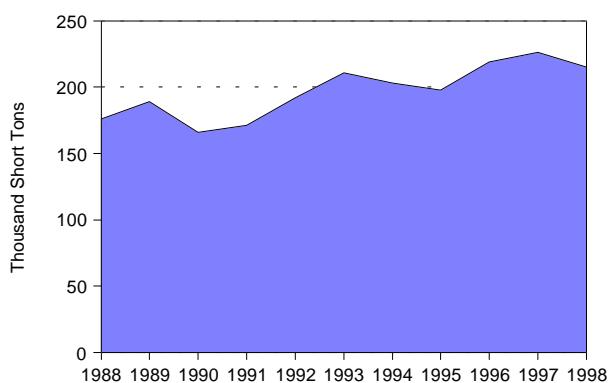
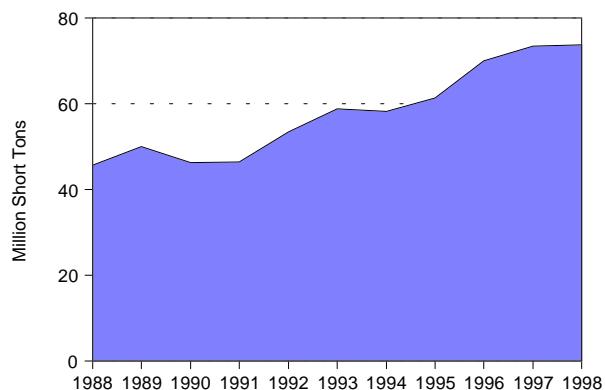
Table 6. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988, 1993, and 1998
(Cents per Million Btu, 1998 Dollars)

Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Coal	177.5	169.9	143.8	-2.3
Petroleum	348.5	405.0	310.5	-1.3
Gas	--	351.6	267.9	--

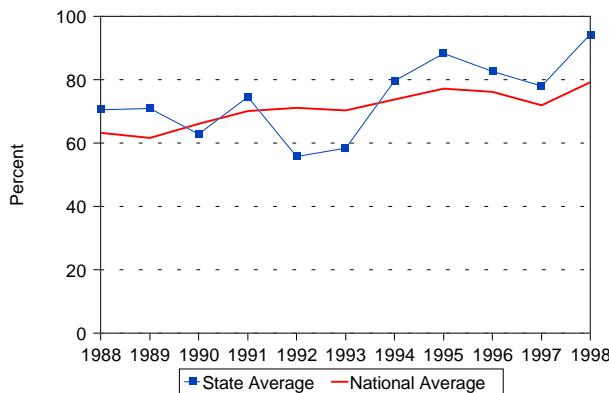
Table 7. Electric Power Industry Emissions Estimates, 1988, 1993, and 1998
(Thousand Short Tons)

Emission Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Sulfur Dioxide	312	421	448	4.1
Nitrogen Oxides ^c	176	211	215	2.3
Carbon Dioxide ^c	45,679	58,750	73,681	5.5

Figure 3. Utility Generation of Electricity by Primary Energy Source, 1988-1998**Figure 4. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988-1998**
(1998 Dollars)

**Figure 5. Estimated Sulfur Dioxide Emissions,
1988-1998****Figure 6. Estimated Nitrogen Oxide Emissions,
1988-1998****Figure 7. Estimated Carbon Dioxide Emissions,
1988-1998****Table 8. Utility Retail Sales by Sector, 1988, 1993, and 1998
(Megawatthours)**

Sector	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Residential . . .	32,211,851	37,742,397	42,890,314	3.2	37.7	37.8	37.8
Commercial . .	21,512,615	26,747,461	33,637,195	5.1	25.1	26.8	29.6
Industrial	30,211,492	33,487,659	34,985,931	1.6	35.3	33.6	30.8
Other	1,604,279	1,800,037	2,082,866	2.9	1.9	1.8	1.8
Total	85,540,241	99,777,554	113,596,306	3.2	100.0	100.0	100.0

Figure 8. Nuclear Power Capacity Factor Comparison, 1988-1998**Table 9. Utility Retail Sales Statistics, 1988, 1993, and 1998**

Item	Investor-Owned	Public	Federal	Cooperative	Total
1988					
Number of Utilities	5	72	1	32	110
Number of Retail Customers	2,083,921	433,849	5	585,077	3,102,852
Retail Sales (MWh)	67,545,064	10,332,952	7,483	7,654,742	85,540,241
Percentage of Retail Sales	79.0	12.1	--	8.9	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	5,003	891	--	759	6,653
Percentage of Revenue	75.2	13.4	--	11.4	100.0
1993					
Number of Utilities	5	72	1	32	110
Number of Retail Customers	2,305,792	468,522	4	663,143	3,437,461
Retail Sales (MWh)	78,228,364	11,919,091	5,803	9,624,296	99,777,554
Percentage of Retail Sales	78.4	11.9	--	9.6	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	5,304	1,035	--	949	7,287
Percentage of Revenue	72.8	14.2	--	13.0	100.0
1998					
Number of Utilities	3	72	1	31	107
Number of Retail Customers	2,615,693	501,562	4	783,198	3,900,457
Retail Sales (MWh)	87,619,237	13,780,835	6,796	12,189,438	113,596,306
Percentage of Retail Sales	77.1	12.1	--	10.7	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	5,285	1,066	--	982	7,332
Percentage of Revenue	72.1	14.5	--	13.4	100.0